

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S2	13	606/192.ccls. and bowing	US-PGPUB; USPAT	ADJ	ON	2007/08/06 15:52
S4	193	606/192.ccls. and bend and catheter	US-PGPUB; USPAT	ADJ	ON	2007/08/07 11:25
S3	240	606/192.ccls. and bend	US-PGPUB; USPAT	ADJ	ON	2007/08/07 11:25
S6	5	((("4338943") or ("5681344") or ("5779731") or ("5797868") or ("6098629")).PN.	US-PGPUB; USPAT	OR	OFF	2007/08/08 10:49
S7	1	S6 and slip	US-PGPUB; USPAT	ADJ	ON	2007/08/08 10:50
S9	0	S6 and non-elast\$	US-PGPUB; USPAT	ADJ	ON	2007/08/08 10:55
S8	1	S6 and stiffen\$	US-PGPUB; USPAT	ADJ	ON	2007/08/08 10:55
S10	1	S6 and balloon adj wall	US-PGPUB; USPAT	ADJ	ON	2007/08/08 10:56
S12	0	S6 and (non\$1elast\$ or non \$1compliant or semi\$1rigid)	US-PGPUB; USPAT	ADJ	ON	2007/08/08 10:57
S11	5	S6 and balloon	US-PGPUB; USPAT	ADJ	ON	2007/08/08 10:57
S13	538	606/192.ccls. and \$elastic	US-PGPUB; USPAT	ADJ	ON	2007/08/08 11:17
S14	172	606/192.ccls. and \$elastic and \$fold	US-PGPUB; USPAT	ADJ	ON	2007/08/08 11:28
S15	151	606/192.ccls. and \$elastic and \$fold and @ay<="2004"	US-PGPUB; USPAT	ADJ	ON	2007/08/08 11:29
S16	1165	606/192.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/08/08 11:45
S1	1165	606/192.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/08/08 11:45
S17	2	S16 and non-fixed\$2	US-PGPUB; USPAT	ADJ	ON	2007/08/08 11:49
S18	604	S16 and \$5fixed\$2	US-PGPUB; USPAT	ADJ	ON	2007/08/08 13:23
S19	1	("6911038").PN.	US-PGPUB; USPAT	OR	OFF	2007/08/08 14:47

S20	5	((("5100425") or ("5718712") or ("6911038") or ("5718712") or ("20030130716") or ("6004291")).PN.	US-PGPUB; USPAT	OR	OFF	2007/08/08 14:49
S21	5	((("5100425") or ("6911038") or ("5718712") or ("20030130716") or ("6004291")).PN.	US-PGPUB; USPAT	OR	OFF	2007/08/08 15:16
S22	5	((("5100425") or ("6911038") or ("5718712") or ("20030130716") or ("6004291")).PN.	US-PGPUB; USPAT	OR	OFF	2007/08/08 15:34
S24	3831	catheter and (stiffen\$) and wire	US-PGPUB; USPAT	ADJ	ON	2007/08/08 15:35
S23	4908	catheter and (stiffen\$)	US-PGPUB; USPAT	ADJ	ON	2007/08/08 15:35
S26	258	catheter and (stiffen\$) and wire and slip and balloon	US-PGPUB; USPAT	ADJ	ON	2007/08/08 15:37
S25	391	catheter and (stiffen\$) and wire and slip	US-PGPUB; USPAT	ADJ	ON	2007/08/08 15:37
S27	175	catheter and (stiffen\$) and wire and slip and balloon and sleeve	US-PGPUB; USPAT	ADJ	ON	2007/08/08 15:39
S28	148	catheter and (stiffen\$) and wire and slip and balloon and sleeve and retain\$3	US-PGPUB; USPAT	ADJ	ON	2007/08/08 15:44
S29	179	catheter and (stiffen\$) and wire and slip and balloon and axial	US-PGPUB; USPAT	ADJ	ON	2007/08/08 15:45
S30	138	catheter and (stiffen\$) and wire and slip and balloon and axial and shaft	US-PGPUB; USPAT	ADJ	ON	2007/08/08 15:48
S32	61	catheter and (stiffen\$) and wire and slip and balloon and axial and shaft and parallel and perpendicular	US-PGPUB; USPAT	ADJ	ON	2007/08/08 15:50
S31	106	catheter and (stiffen\$) and wire and slip and balloon and axial and shaft and parallel	US-PGPUB; USPAT	ADJ	ON	2007/08/08 15:50
S34	0	("2004/0236366").URPN.	USPAT	ADJ	ON	2007/08/08 15:53
S33	29	catheter and stiffen\$ and wire and slip and balloon and axial and shaft and parallel and perpendicular and transverse	US-PGPUB; USPAT	ADJ	ON	2007/08/08 15:54

S35	6	catheter.clm. and stiffen\$ and wire and slip and balloon and axial and shaft and parallel and perpendicular and transverse	US-PGPUB; USPAT	ADJ	ON	2007/08/08 16:01
S36	0	catheter.clm. and stiffen\$ and wire and slip and balloon near parallel and axial and shaft and perpendicular and transverse	US-PGPUB; USPAT	ADJ	ON	2007/08/08 16:02
S38	0	catheter.clm. and stiffen\$ and balloon near parallel and axial and perpendicular and transverse	US-PGPUB; USPAT	ADJ	ON	2007/08/08 16:03
S37	0	catheter.clm. and stiffen\$ and balloon near parallel and axial and shaft and perpendicular and transverse	US-PGPUB; USPAT	ADJ	ON	2007/08/08 16:03
S39	6	catheter.clm. and (stiffen\$ or rigid\$) and balloon near parallel and axial and perpendicular and transverse	US-PGPUB; USPAT	ADJ	ON	2007/08/08 16:27
S40	26	catheter.clm. and (stiffen\$ or rigid\$ or inflexible) and balloon near axial and transverse	US-PGPUB; USPAT	ADJ	ON	2007/08/08 16:32
S41	39	catheter.clm. and (stiffen\$ or rigid\$ or inflexible) and balloon align\$4	US-PGPUB; USPAT	ADJ	ON	2007/08/08 16:33
S43	30	("2701559" "3779201" "4273128" "4733665" "4739762" "4776337" "4796629" "5196024" "5209799" "5226887" "5242397" "5320634" "5336178" "5336234" "5411466" "5616149" "5647848" "5653690" "5713863" "5807326" "5810871" "5836965" "5876374" "5935135" "6007543" "6027510" "6102904" "6258099" "6569192").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/08 16:40
S44	25	catheter and (stiffen\$ or rigid\$ or inflexible) and balloon align\$4 and shaft	US-PGPUB; USPAT	ADJ	ON	2007/08/08 16:49
S42	52	catheter and (stiffen\$ or rigid\$ or inflexible) and balloon align\$4	US-PGPUB; USPAT	ADJ	ON	2007/08/08 16:49
S47	1	("6960188").PN.	US-PGPUB; USPAT	OR	OFF	2007/08/13 08:08

S46	21	("4024873" "4646742" "4665925" "4702252" "4892519" "4955895" "5085636" "5176637" "5378238" "5403339" "5425712" "5503631" "5626600" "5755707" "5759191" "5827242" "5830227" "6027475" "6066157" "6152912" "6186978").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/13 08:08
S45	1166	606/192.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/08/13 08:12
S48	989	606/192.ccls. and @ay<="2004"	US-PGPUB; USPAT	ADJ	ON	2007/08/13 08:15
S50	722	606/192.ccls. and @ad<="20040302" and catheter	US-PGPUB; USPAT	ADJ	ON	2007/08/13 08:35
S51	36	606/192.ccls. and @ad<="20040302" and catheter and slip	US-PGPUB; USPAT	ADJ	ON	2007/08/13 10:22
S54	370	axial length and shorten and catheter	US-PGPUB; USPAT	ADJ	ON	2007/08/13 10:35
S53	2803	axial length and shorten	US-PGPUB; USPAT	ADJ	ON	2007/08/13 10:35
S52	1241	axial length and catheter and inflate\$3	US-PGPUB; USPAT	ADJ	ON	2007/08/13 10:35
S55	14	axial length near shorten and catheter	US-PGPUB; USPAT	ADJ	ON	2007/08/13 10:40
S57	0	axial diameter near (decrease \$1 or shorten\$1) and catheter	US-PGPUB; USPAT	ADJ	ON	2007/08/13 10:41
S56	1575	diameter near (decrease\$1 or shorten\$1) and catheter	US-PGPUB; USPAT	ADJ	ON	2007/08/13 10:41
S58	6	axial near diameter near (decrease\$1 or shorten\$1) and catheter	US-PGPUB; USPAT	ADJ	ON	2007/08/13 10:42
S59	7	axial near (diameter or radius) near (decrease\$1 or shorten\$1) and catheter	US-PGPUB; USPAT	ADJ	ON	2007/08/13 10:43
S60	29	balloon near (diameter or radius) near (decrease\$1 or shorten\$1) and catheter	US-PGPUB; USPAT	ADJ	ON	2007/08/13 10:44
S62	0	balloon near (diameter or radius).clm. near axis near (decrease\$1 or shorten\$1) and catheter	US-PGPUB; USPAT	ADJ	ON	2007/08/13 10:47
S61	3	balloon near (diameter or radius).clm. near (decrease \$1 or shorten\$1) and catheter	US-PGPUB; USPAT	ADJ	ON	2007/08/13 10:47

S63	0	balloon near (diameter or radius) near axis near (decrease\$1 or shorten\$1) and catheter	US-PGPUB; USPAT	ADJ	ON	2007/08/13 10:48
S64	0	balloon near (diameter or radius) near (axis or axial) near (decrease\$1 or shorten \$1) and catheter	US-PGPUB; USPAT	ADJ	ON	2007/08/13 10:49
S66	31	balloon near (axis or axial) and (diameter or radius) near (decrease\$1 or shorten \$1) and catheter	US-PGPUB; USPAT	ADJ	ON	2007/08/13 10:51
S65	29	balloon near (diameter or radius) near (decrease\$1 or shorten\$1) and catheter	US-PGPUB; USPAT	ADJ	ON	2007/08/13 10:51
S69	5	balloon.clm. near (axis or axial) and (diameter or radius) near (decrease\$1 or shorten\$1) and catheter	US-PGPUB; USPAT	ADJ	ON	2007/08/13 10:52
S68	31	balloon near (axis or axial) and (diameter or radius) near (decrease\$1 or shorten \$1) and catheter	US-PGPUB; USPAT	ADJ	ON	2007/08/13 10:52
S67	0	balloon near (axis or axial) near (diameter or radius) near (decrease\$1 or shorten \$1) and catheter	US-PGPUB; USPAT	ADJ	ON	2007/08/13 10:52
S72	24	("4364392" "5108370" "5338299" "5409495" "5456667" "5470314" "5500181" "5634936" "5690643" "5700242" "5772669" "5776141" "5788626" "5830182" "5972018" "5980531" "6036697" "6039721" "6117168" "6179868" "6183505" "6221042" "6245076" "6254627").PN. OR ("6911038").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/13 11:00
S71	1	("6911038").PN.	US-PGPUB; USPAT	OR	OFF	2007/08/13 11:00
S70	31	balloon near (axis or axial) and (diameter or radius) near (decrease\$1 or shorten \$1) and catheter	US-PGPUB; USPAT	ADJ	ON	2007/08/13 11:00
S73	9	S72 and shorten\$2	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/13 11:04
S74	4	S72 and balloon near (shorten\$2 or decrease\$2)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/13 11:38
S75	1	("20030130716").PN.	US-PGPUB; USPAT	OR	OFF	2007/08/13 14:33

S76	1	("1016430").PN.	EPO	OR	OFF	2007/08/13 14:38
S77	11	((("20020128596") or ("5100425") or ("5718712") or ("20030130716") or ("5779731") or ("5700242") or ("5797868") or ("4338943") or ("6464718") or ("7189215") or ("6911038")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/13 14:40
S81	21	S49 and sleeve and cap and cannula	US-PGPUB; USPAT	ADJ	ON	2007/08/13 14:43
S80	62	S49 and sleeve and cap	US-PGPUB; USPAT	ADJ	ON	2007/08/13 14:43
S79	384	S49 and sleeve	US-PGPUB; USPAT	ADJ	ON	2007/08/13 14:43
S49	932	606/192.ccls. and @ad<="20040302"	US-PGPUB; USPAT	ADJ	ON	2007/08/13 14:43
S83	47	S49 and end cap	US-PGPUB; USPAT	ADJ	ON	2007/08/13 14:46
S82	12	S49 and sleeve and cap and cannula and retain\$6	US-PGPUB; USPAT	ADJ	ON	2007/08/13 14:46
S78	2	S77 and sleeve	US-PGPUB; USPAT	ADJ	ON	2007/08/13 14:46
S84	1	S77 and end cap	US-PGPUB; USPAT	ADJ	ON	2007/08/13 14:54
S86	14	S50 and end cap and cannula	US-PGPUB; USPAT	ADJ	ON	2007/08/13 14:55
S85	41	S50 and end cap	US-PGPUB; USPAT	ADJ	ON	2007/08/13 14:55
S88	10	S50 and end cap and (cannula or collar) and sleeve	US-PGPUB; USPAT	ADJ	ON	2007/08/13 14:59
S87	17	S50 and end cap and (cannula or collar)	US-PGPUB; USPAT	ADJ	ON	2007/08/13 15:05
S90	1027	catheter and end cap and (cannula or collar)	US-PGPUB; USPAT	ADJ	ON	2007/08/13 15:07
S92	227	catheter.clm. and end cap and (cannula or collar) and retain\$3	US-PGPUB; USPAT	ADJ	ON	2007/08/13 15:09
S91	628	catheter and end cap and (cannula or collar) and retain \$3	US-PGPUB; USPAT	ADJ	ON	2007/08/13 15:09
S93	138	catheter.clm. and end cap and (cannula or collar) and retain\$3 and sleeve	US-PGPUB; USPAT	ADJ	ON	2007/08/13 15:10
S94	33	catheter.clm. and end cap and (cannula or collar) and retain\$3 and sleeve and bead	US-PGPUB; USPAT	ADJ	ON	2007/08/13 15:11

S97	33	catheter.clm. and (end cap) and (cannula or collar) and retain\$3 and sleeve and bead	US-PGPUB; USPAT	ADJ	ON	2007/08/13 15:12
S96	51	catheter.clm. and (end with cap) and (cannula or collar) and retain\$3 and sleeve and bead	US-PGPUB; USPAT	ADJ	ON	2007/08/13 15:12
S95	33	catheter.clm. and end adj cap and (cannula or collar) and retain\$3 and sleeve and bead	US-PGPUB; USPAT	ADJ	ON	2007/08/13 15:12
S98	33	catheter.clm. and ("end cap") and (cannula or collar) and retain\$3 and sleeve and bead	US-PGPUB; USPAT	ADJ	ON	2007/08/13 15:14
S100	120	catheter and ("end cap") and (cannula or collar) and bead	US-PGPUB; USPAT	ADJ	ON	2007/08/13 15:23
S99	77	catheter and ("end cap") and (cannula or collar) and retain\$3 and sleeve and bead	US-PGPUB; USPAT	ADJ	ON	2007/08/13 15:23
S101	36	catheter and ("end cap") and (cannula or collar) and bead and stiffen\$3	US-PGPUB; USPAT	ADJ	ON	2007/08/13 15:24
S102	78	catheter and ("end cap") and (cannula or collar) and bead and (stiffen\$3 or core)	US-PGPUB; USPAT	ADJ	ON	2007/08/13 15:25
S103	28	catheter.clm. and ("end cap") and (cannula or collar) and bead and (stiffen\$3 or core)	US-PGPUB; USPAT	ADJ	ON	2007/08/13 15:30
S104	78	catheter and ("end cap") and (cannula or collar) and bead and (stiffen\$3 or core)	US-PGPUB; USPAT	ADJ	ON	2007/08/13 15:46
S107	297	catheter and cap and (cannula or collar) and bead and (stiffen\$3 or core)	US-PGPUB; USPAT	ADJ	ON	2007/08/13 15:48
S106	355	catheter and cap and (cannula or collar) and bead and (stiffen\$3 or core or rod)	US-PGPUB; USPAT	ADJ	ON	2007/08/13 15:48
S105	90	catheter and ("end cap") and (cannula or collar) and bead and (stiffen\$3 or core or rod)	US-PGPUB; USPAT	ADJ	ON	2007/08/13 15:48
S108	125	catheter and cap and (cannula or collar) and bead and (stiffen\$3 or core) and sleeve	US-PGPUB; USPAT	ADJ	ON	2007/08/13 15:58

S110	1136	catheter and "end cap" and sleeve	US-PGPUB; USPAT	ADJ	ON	2007/08/13 15:59
S109	3385	catheter and "end cap"	US-PGPUB; USPAT	ADJ	ON	2007/08/13 15:59
S89	2	catheter end cap and (cannula or collar)	US-PGPUB; USPAT	ADJ	ON	2007/08/13 15:59
S111	1027	catheter and "end cap" and (cannula or collar)	US-PGPUB; USPAT	ADJ	ON	2007/08/13 16:00
S113	640	catheter and "end cap" and (cannula or collar) and slid\$5 and move\$4	US-PGPUB; USPAT	ADJ	ON	2007/08/13 16:01
S112	723	catheter and "end cap" and (cannula or collar) and slid\$5	US-PGPUB; USPAT	ADJ	ON	2007/08/13 16:01
S114	251	catheter.clm. and "end cap" and (cannula or collar) and slid\$5 and move\$4	US-PGPUB; USPAT	ADJ	ON	2007/08/13 16:02
S115	50	((("4813934") or ("5308356") or ("5234450") or ("4784133") or ("4976710") or ("5320604") or ("5472405") or ("5964714") or ("5997562") or ("6156054") or ("4332254") or ("4464175") or ("5454788") or ("5474542") or ("5507731") or ("5607406") or ("5649908") or ("5667493") or ("5693015") or ("5882336") or ("5906606") or ("5954742") or ("6033380") or ("6113579") or ("6190360") or ("6245083") or ("4413989") or ("4448195") or ("4456000") or ("4601713") or ("4623329") or ("4757194") or ("4763654") or ("4770653") or ("4832047") or ("4898575") or ("4936281") or ("4968314") or ("4976711") or ("4990139") or ("5002553") or ("5011488") or ("5024655") or ("5185004") or ("5192314") or ("5224933") or ("5256144") or ("5263932") or ("5273052") or ("5295492"))). PN.	US-PGPUB; USPAT	OR	OFF	2007/08/13 16:03
S117	7	S115 and "end cap"	US-PGPUB; USPAT	ADJ	ON	2007/08/13 16:04

S118	4	S115 and sleeve and cap	US-PGPUB; USPAT	ADJ	ON	2007/08/13 16:11
S116	21	S115 and sleeve	US-PGPUB; USPAT	ADJ	ON	2007/08/13 16:18
S120	2	S115 and barrier	US-PGPUB; USPAT	ADJ	ON	2007/08/13 16:25
S119	13	S115 and cap	US-PGPUB; USPAT	ADJ	ON	2007/08/13 16:32
S121	844	catheter and "end cap" and sleeve and slid\$4	US-PGPUB; USPAT	ADJ	ON	2007/08/13 16:34
S122	24	catheter and "end cap" and sleeve and slid\$4 axial	US-PGPUB; USPAT	ADJ	ON	2007/08/13 16:39
S123	44	catheter and "end cap" and sleeve and slid\$4 near axial	US-PGPUB; USPAT	ADJ	ON	2007/08/13 16:40
S125	28	catheter and "end cap" and sleeve and "606".clas. and bead	US-PGPUB; USPAT	ADJ	ON	2007/08/13 16:42
S124	429	catheter and "end cap" and sleeve and "606".clas.	US-PGPUB; USPAT	ADJ	ON	2007/08/13 16:42
S128	0	S126 and "distal cap"	US-PGPUB; USPAT	ADJ	ON	2007/08/14 08:06
S127	1	S126 and "end cap"	US-PGPUB; USPAT	ADJ	ON	2007/08/14 08:06
S129	1	("1016430").PN.	EPO	OR	OFF	2007/08/14 08:11
S126	11	((("20020128596") or ("5100425") or ("5718712") or ("20030130716") or ("5779731") or ("5700242") or ("5797868") or ("4338943") or ("6464718") or ("7189215") or ("6911038")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/14 08:33
S130	1	("20020128596").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/14 08:34
S131	0	S130 and (stiffening near guide)	US-PGPUB; USPAT	ADJ	ON	2007/08/14 09:00
S133	10	catheter and "retaining bead"	US-PGPUB; USPAT	ADJ	ON	2007/08/14 09:01
S132	0	S130 and bead	US-PGPUB; USPAT	ADJ	ON	2007/08/14 09:01
S134	1	("20020128596").PN.	US-PGPUB; USPAT	OR	OFF	2007/08/15 08:04
S135	1	("5700242").PN.	US-PGPUB; USPAT	OR	OFF	2007/08/15 08:20
S136	1	("20030130716").PN.	US-PGPUB; USPAT	OR	OFF	2007/08/15 08:33
S137	1	("5364354").PN.	US-PGPUB; USPAT	OR	OFF	2007/08/15 11:22

S138	247	catheter and "distal cap"	US-PGPUB; USPAT	ADJ	ON	2007/08/15 11:23
S139	32	catheter and "distal cap". clm.	US-PGPUB; USPAT	ADJ	ON	2007/08/15 11:25
S141	1112	catheter.clm. and ("distal cap" or "end cap") and @ad<="20040302"	US-PGPUB; USPAT	ADJ	ON	2007/08/15 11:29
S140	26	catheter and "distal cap". clm. and @ad<="20040302"	US-PGPUB; USPAT	ADJ	ON	2007/08/15 11:29
S142	524	sleeve and catheter.clm. and ("distal cap" or "end cap") and @ad<="20040302"	US-PGPUB; USPAT	ADJ	ON	2007/08/15 11:30
S143	337	balloon and sleeve and catheter.clm. and ("distal cap" or "end cap") and @ad<="20040302"	US-PGPUB; USPAT	ADJ	ON	2007/08/15 11:47
S144	6	sleeve and catheter.clm. and balloon near ("distal cap" or "end cap") and @ad<="20040302"	US-PGPUB; USPAT	ADJ	ON	2007/08/15 13:49
S146	1	balloon and catheter and semi-rigid.ti. and @ad<="20040302"	US-PGPUB; USPAT	ADJ	ON	2007/08/15 13:50
S147	0	balloon and catheter ".clm. and" semi-rigid and @ad<="20040302"	US-PGPUB; USPAT	ADJ	ON	2007/08/15 13:51
S145	956	balloon and catheter and semi-rigid and @ad<="20040302"	US-PGPUB; USPAT	ADJ	ON	2007/08/15 13:51
S150	52	balloon and catheter.clm. and semi-rigid.clm. and @ad<="20040302"	US-PGPUB; USPAT	ADJ	ON	2007/08/15 13:52
S149	52	balloon and catheter .clm. and semi-rigid.clm. and @ad<="20040302"	US-PGPUB; USPAT	ADJ	ON	2007/08/15 13:52
S148	413	balloon and catheter .clm. and semi-rigid and @ad<="20040302"	US-PGPUB; USPAT	ADJ	ON	2007/08/15 13:52
S152	5	catheter.clm. and balloon near semi\$1rigid and @ad<="20040302"	US-PGPUB; USPAT	ADJ	ON	2007/08/15 13:53
S151	5	catheter.clm. and balloon near semi-rigid and @ad<="20040302"	US-PGPUB; USPAT	ADJ	ON	2007/08/15 13:53
S153	36	catheter.clm. and balloon near (semi\$1rigid or "rigid") and @ad<="20040302"	US-PGPUB; USPAT	ADJ	ON	2007/08/15 13:57
S154	84	catheter and balloon near (semi\$1rigid or "rigid") and @ad<="20040302"	US-PGPUB; USPAT	ADJ	ON	2007/08/15 14:00

S157	37	catheter and balloon near stiff and @ad<="20040302"	US-PGPUB; USPAT	ADJ	ON	2007/08/15 14:01
S156	0	catheter and balloon near semi\$1stiff and @ad<="20040302"	US-PGPUB; USPAT	ADJ	ON	2007/08/15 14:01
S155	15	catheter and balloon near hard and @ad<="20040302"	US-PGPUB; USPAT	ADJ	ON	2007/08/15 14:01
S160	9	606/192.ccls. and stiff near wire and @ay<="2004"	US-PGPUB; USPAT	ADJ	ON	2007/08/21 08:36
S159	0	606/192.ccls. and "stiff wire"and @ay<="2004"	US-PGPUB; USPAT	ADJ	ON	2007/08/21 08:36
S158	173	606/192.ccls. and stiff and @ay<="2004"	US-PGPUB; USPAT	ADJ	ON	2007/08/21 08:36
S161	1401	604/96.01.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/08/21 11:06
S162	1194	604/96.01.ccls. and @ad<="20040302"	US-PGPUB; USPAT	ADJ	ON	2007/08/21 11:07
S163	1098	604/96.01.ccls. and @ad<="20040302" and catheter	US-PGPUB; USPAT	ADJ	ON	2007/08/21 11:20
S165	262	604/96.01.ccls. and @ad<="20040302" and "proximal" near shaft	US-PGPUB; USPAT	ADJ	ON	2007/08/21 11:27
S164	310	604/96.01.ccls. and @ad<="20040302" and "proximal" near catheter	US-PGPUB; USPAT	ADJ	ON	2007/08/21 11:27
S167	14	"stiffening member" near taper\$2 and catheter	US-PGPUB; USPAT	ADJ	ON	2007/08/22 08:12
S168	24	("4137906" "4748982" "4762129" "4943278" "5154725" "5156594" "5328472" "5413559" "5489271" "5549557" "5605543" "5607394" "5658251" "5728067" "B14762129").PN. OR ("6066114").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/22 08:25
S169	16	S168 and taper\$2	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/22 08:26
S171	0	("stiff" or "rigid") near "inner tube" near proximal and catheter	US-PGPUB; USPAT	ADJ	ON	2007/08/22 09:46
S170	200	"inner tube" near proximal and catheter	US-PGPUB; USPAT	ADJ	ON	2007/08/22 09:46
S166	621	"stiffening member" and catheter	US-PGPUB; USPAT	ADJ	ON	2007/08/22 09:46
S173	76	S172 and ("circle" or "circular")	US-PGPUB; USPAT	ADJ	ON	2007/08/22 11:01

S172	200	"inner tube" near proximal and catheter	US-PGPUB; USPAT	ADJ	ON	2007/08/22 11:01
S174	1	("5700242").PN.	US-PGPUB; USPAT	OR	OFF	2007/08/29 10:55
S175	3	("5700242").URPN.	USPAT	ADJ	ON	2007/08/29 10:56
S178	1247	catheter and rigid	FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/09/04 09:55
S177	264	catheter and stiffening	FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/09/04 09:55
S176	450	catheter and ("folding" or "fold")	FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/09/04 09:55
S180	1489	S177 or S178	FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/09/04 09:56
S179	22	S177 and S178	FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/09/04 09:56
S181	93	S180 and axial	FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/09/04 09:57
S183	20	S176 and ("stiff" or "rigid")	FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/09/04 09:58
S182	20	S181 and balloon	FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/09/04 09:58
S184	5	("20030130716" "5100425" "5718712" "6004291" "6911038").PN.	US-PGPUB; USPAT	ADJ	ON	2008/04/17 16:00
S185	1	("5364354").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/17 16:07
S188	127	604/97.01.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/04/17 16:14
S190	97	604/103.03.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/04/17 16:16
S189	239	604/103.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/04/17 16:16
S192	127	604/103.09.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/04/17 16:17
S191	129	604/103.06.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/04/17 16:17
S194	54	604/103.14.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/04/17 16:18
S193	39	604/103.13.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/04/17 16:18
S195	0	prevent removal of guide \$1wire	US-PGPUB; USPAT	ADJ	ON	2008/04/17 16:34
S196	0	stop removal of guide\$1wire	US-PGPUB; USPAT	ADJ	ON	2008/04/17 16:35
S197	1495	604/96.01.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/04/21 08:52

S198	1	("6471672").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/21 09:01
S199	1	("5318535").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/21 09:05
S202	0	ep-1507570-\$.did	EPO	ADJ	ON	2008/04/21 09:15
S201	0	ep-1507570-a.did.	EPO	ADJ	ON	2008/04/21 09:15
S200	0	ep-1507570-\$.did.	EPO	ADJ	ON	2008/04/21 09:15
S204	1	WO-03097152-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/04/21 09:17
S203	0	WO-2003097152-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/04/21 09:17
S205	2	((("5681344") or ("4338943")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/21 09:27
S206	1	("5100425").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/21 09:29
S207	174	("2816552" "3670732" "4200111" "4631052" "4653496" "4696667" "4768508" "4784636" "4842579" "4857045" "4895560" "4917085" "4921484" "4926858" "4966604").PN. OR ("5100425").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/21 09:40
S208	1	("7025752").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/21 09:42
S209	8	("20020022849" "4459317" "5503631" "5693014" "6261630" "6306144" "6673053" "6866649").PN. OR ("7025752").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/21 09:44
S210	2	catheter with "retaining bead"	US-PGPUB; USPAT	ADJ	ON	2008/04/21 09:55
S211	5	catheter same "retaining bead"	US-PGPUB; USPAT	ADJ	ON	2008/04/21 09:56
S212	4344	catheter same retaining	US-PGPUB; USPAT	ADJ	ON	2008/04/21 10:00
S213	186	catheter same (retaining with (cannula or collar))	US-PGPUB; USPAT	ADJ	ON	2008/04/21 10:01

S214	61	("4581017" "4813934" "4820349" "4877031" "4944745" "4955895" "4988356" "4990138" "5035686" "5047945" "5087247" "5090960" "5100381" "5104399" "5120323" "5137513" "5147377" "5154725" "5160321" "5163903").PN. OR ("5318535").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/21 10:45
S215	1441	604/523.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/04/21 12:05
S216	1240	S215 and @ay<="2004"	US-PGPUB; USPAT	ADJ	ON	2008/04/21 12:07
S217	1	("5318535").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/21 12:28
S218	1	("6514228").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/21 12:46
S219	1	("5364354").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/21 12:54
S220	46	bead with distal with (guide \$1wire or wire\$1guide or stiffen\$3)	US-PGPUB; USPAT	ADJ	ON	2008/04/21 12:59
S222	4	S221 and syringe	US-PGPUB; USPAT	ADJ	ON	2008/04/21 13:08
S221	36	(US-20050154414-\$ or US- 20020128596-\$ or US- 20040054362-\$ or US- 20040138733-\$ or US- 20030009161-\$ or US- 20010031946-\$ or US- 20030055401-\$ or US- 20040092866-\$ or US- 20020082549-\$).did. or (US- 6488637-\$ or US-5567203-\$ or US-5961490-\$ or US- 6743208-\$ or US-5364354-\$ or US-5116305-\$ or US- 5522882-\$ or US-6960188-\$ or US-7189229-\$ or US- 6719773-\$ or US-5876374-\$ or US-5425712-\$ or US- 7163523-\$ or US-6676698-\$ or US-5904147-\$ or US- 6942680-\$ or US-5807328-\$ or US-7179345-\$ or US- 6982024-\$ or US-5226887-\$ or US-5683347-\$ or US- 6471672-\$ or US-5318535-\$ or US-6471673-\$ or US- 6881201-\$ or US-6129707-\$).did. or (US-6368302-\$). did.	US-PGPUB; USPAT	ADJ	ON	2008/04/21 13:08

S223	1	("5425712").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/21 13:13
S224	1	("5904147").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/21 14:24
S225	1	("5700242").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/21 15:09
S226	1	("20030130716").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/21 15:29
S227	1	("5108416").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/21 17:26
S228	239	syringe with inflate with catheter with balloon	US-PGPUB; USPAT	ADJ	ON	2008/04/21 17:44
S229	1	("5605543").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/21 18:19
S230	1	("5318535").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/29 08:18
S231	1	("5425712").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/29 08:19
S232	49	("20030032974" "20030060802" "20030125761" "20030191436" "20040015052" "20040049225" "4292974" "4327709" "4338942" "4655748" "4917088" "5087246" "5090957" "5104376" "5180366" "5192295" "5201754" "5279561" "5295962" "5304135" "5312340" "5358487" "5364354" "5387225" "5397305" "5413581" "5417658" "5421826" "5429597" "5429605" "5449343" "5456665" "5456666" "5458575" "5487730" "5690642" "5779731" "5797868" "5814061" "5820613" "6024693" "6053913" "6149574" "6156053" "6270465" "6371961" "6485500" "6488653" "6602270").PN.	US-PGPUB; USPAT	ADJ	ON	2008/12/29 08:26
S233	767	604/93.01.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/12/29 08:48
S235	1565	604/96.01.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/12/29 08:49
S234	676	604/164.01.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/12/29 08:49

S236	249	604/103.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/12/29 08:50
S238	132	604/103.09.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/12/29 08:51
S237	98	604/103.03.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/12/29 08:51
S239	262	604/164.13.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/12/29 08:52
S241	648	604/528.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/12/29 08:53
S240	1535	604/523.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/12/29 08:53
S242	3	("5364354" "6039721" "6994718").PN.	US-PGPUB; USPAT	ADJ	ON	2008/12/29 08:59
S243	243	S239 not S234	US-PGPUB; USPAT	ADJ	ON	2008/12/29 09:07
S246	1931	S245 not S239	US-PGPUB; USPAT	ADJ	ON	2008/12/29 09:28
S245	1941	S244 not S234	US-PGPUB; USPAT	ADJ	ON	2008/12/29 09:28
S244	1964	S235 or S236 or S237 or S238	US-PGPUB; USPAT	ADJ	ON	2008/12/29 09:28
S249	2699	S248 not S236	US-PGPUB; USPAT	ADJ	ON	2008/12/29 09:37
S248	2711	S247 not S235	US-PGPUB; USPAT	ADJ	ON	2008/12/29 09:37
S247	2855	S233 or S240 or S241	US-PGPUB; USPAT	ADJ	ON	2008/12/29 09:37
S253	2572	S252 not S234	US-PGPUB; USPAT	ADJ	ON	2008/12/29 09:38
S252	2620	S251 not S239	US-PGPUB; USPAT	ADJ	ON	2008/12/29 09:38
S251	2682	S250 not S238	US-PGPUB; USPAT	ADJ	ON	2008/12/29 09:38
S250	2693	S249 not S237	US-PGPUB; USPAT	ADJ	ON	2008/12/29 09:38
S254	1	("20040236366").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/29 10:21
S256	2	S255 and sakai	US-PGPUB; USPAT	ADJ	ON	2008/12/29 10:53

S255	61	(US-20050154414-\$ or US-20020128596-\$ or US-20040054362-\$ or US-20040138733-\$ or US-20030009161-\$ or US-20010031946-\$ or US-20030055401-\$ or US-20040092866-\$ or US-20020082549-\$ or US-20040015052-\$ or US-20030060802-\$ or US-20010037085-\$ or US-20030032921-\$ or US-20030032920-\$).did. or (US-6488637-\$ or US-5567203-\$ or US-5961490-\$ or US-6743208-\$ or US-5364354-\$ or US-5116305-\$ or US-5522882-\$ or US-6960188-\$ or US-7189229-\$ or US-6719773-\$ or US-5876374-\$ or US-5425712-\$ or US-7163523-\$ or US-6676698-\$ or US-5904147-\$ or US-6942680-\$ or US-5807328-\$ or US-7179345-\$ or US-6982024-\$ or US-5226887-\$ or US-5683347-\$ or US-6471672-\$ or US-5318535-\$ or US-6471673-\$ or US-6881201-\$ or US-6129707-\$).did. or (US-6368302-\$ or US-6024693-\$ or US-5417658-\$ or US-6488653-\$ or US-5456665-\$ or US-5304135-\$ or US-5104376-\$ or US-5820613-\$ or US-5449343-\$ or US-5279561-\$ or US-5397305-\$ or US-6602270-\$ or US-6485500-\$ or US-5779731-\$ or US-4917088-\$ or US-6551281-\$ or US-6033381-\$ or US-5980484-\$ or US-6656153-\$ or US-6315757-\$ or US-6629953-\$).did.	US-PGPUB; USPAT	ADJ	ON	2008/12/29 10:53
S257	1	("5364354").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/29 11:16
S258	1	("6488653").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/29 11:18
S259	2	((("5318535") or ("5425712"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/09/08 10:20

9/ 8/ 2009 2:48:24 PM

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